

TRI On-site and Off-site Releases by Industry, 1998

SIC Code	Industry	Total Facilities Number	Total Forms Number	Form Rs Number	Form As Number	Total Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection		RCRA Subtitle C Landfills Pounds	On-site Land Releases					Total On-site Releases Pounds	Off-site	Total On- and Off-site Releases Pounds
								Class I Wells Pounds	Class II-V Wells Pounds		Other Landfills Pounds	Treatment Pounds	Surface Impoundments Pounds	Other Disposal Pounds	Releases Transfers Off-site to Disposal Pounds			
TOTAL FOR ALL INDUSTRIES		23,487	87,329	73,801	13,528	2,053,501,450	231,439,923	233,969,888	33,346,918	212,957,001	262,407,933	6,523,800	1,379,816,264	2,449,111,457	6,863,074,634	444,262,589	7,307,337,223	
ORIGINAL INDUSTRIES																		
20	Food	1,995	3,711	2,492	1,219	63,628,957	17,136,151	760	5	292	15,841	3,406,911	211,114	2,563,602	86,963,633	2,325,147	89,288,780	
21	Tobacco	21	65	64	1	3,128,068	160,366	0	0	0	0	0	0	0	3,288,434	304,195	3,592,629	
22	Textiles	274	566	511	55	10,840,786	254,827	0	0	0	3,361	136,210	74,553	2,430	11,312,167	697,298	12,009,465	
23	Apparel	19	37	32	5	461,508	0	0	0	0	0	0	0	5	461,513	41,045	502,558	
24	Lumber	825	1,995	1,183	812	32,519,334	82,916	0	0	28,188	39,244	23,677	88,387	212,458	32,994,204	1,333,286	34,327,490	
25	Furniture	377	907	840	67	17,150,227	797	0	0	0	11,789	0	0	31,044	17,193,857	113,602	17,307,459	
26	Paper	473	2,597	2,439	158	185,981,370	21,880,578	29,100	0	956,008	12,373,673	305,468	3,084,549	402,118	225,012,864	4,853,205	229,866,069	
27	Printing	225	446	434	12	22,301,593	598	0	0	0	0	0	0	250	22,302,441	152,294	22,454,735	
28	Chemicals	3,806	20,869	16,982	3,887	321,710,008	95,444,195	206,649,154	8,256	744,092	23,890,688	421,237	40,716,878	7,528,895	697,113,403	39,943,448	737,056,851	
29	Petroleum	391	3,195	2,807	388	49,010,221	8,080,563	2,827,139	85,754	3,384	88,614	99,460	293,736	71,464	60,560,335	2,692,041	63,252,376	
30	Plastics	1,824	3,745	3,108	637	98,644,519	39,334	0	0	31,983	802,319	0	7,181	52,301	99,577,637	10,090,980	109,668,617	
31	Leather	80	193	174	19	2,550,015	75,511	80	0	0	250	0	2,952	5	2,628,813	2,196,077	4,824,890	
32	Stone/Clay/Glass	657	1,760	1,482	278	30,936,566	152,872	0	0	47,576	2,887,412	1,013	88,939	144,697	34,259,075	6,097,000	40,356,075	
33	Primary Metals	1,920	6,893	6,105	788	120,643,456	53,897,382	1,022,076	0	13,034,455	56,206,560	274	44,155,068	84,610,255	373,569,526	192,803,745	566,373,271	
34	Fabricated Metals	2,897	7,508	6,738	770	61,896,726	1,279,531	255	0	84,285	334,303	15	3,879	405,592	64,004,586	21,879,327	85,883,913	
35	Machinery	1,117	2,915	2,544	371	14,582,692	51,939	0	0	13,504	166,171	23,055	5	53,864	14,891,230	4,556,611	19,447,841	
36	Electrical Equip.	1,234	3,047	2,872	175	16,578,816	2,182,517	500	0	64,789	167,961	10	1,355	160,983	19,156,931	9,955,924	29,112,855	
37	Transportation Equip.	1,296	4,580	4,246	334	90,513,228	168,114	0	0	17,343	368,070	478	323	21,682	91,089,238	11,409,497	102,498,735	
38	Measure./Photo.	253	628	539	89	9,588,636	1,189,200	0	0	18	74,058	643	8	556	10,853,119	1,323,385	12,176,504	
39	Miscellaneous	316	722	611	111	9,599,335	7,726	0	0	21,961	9,150	0	0	199,892	9,838,064	739,697	10,577,761	
Multiple codes 20-39		1,233	4,257	3,816	441	76,448,886	15,066,977	15,800	5	264,425	1,569,488	200,789	715,808	2,727,575	97,009,753	16,359,303	113,369,056	
No codes 20-39		208	577	469	108	5,817,686	472,719	0	505	26,324	1,000	582,030	68,539	130,867	7,099,670	501,072	7,600,742	
Combination New/Original Industry SIC codes		76	861	746	115	12,418,811	5,740,949	0	0	867	720,395	9,333	724,197	45,836,424	65,450,976	1,844,949	67,295,925	
Original Industries Subtotal		21,517	72,074	61,234	10,840	1,256,951,444	223,365,762	210,544,864	94,525	15,339,494	99,730,347	5,210,603	90,237,471	145,156,959	2,046,631,469	332,213,128	2,378,844,597	
NEW INDUSTRIES																		
10	Metal Mining	114	759	733	26	4,552,336	522,847	0	33,001,112	54	17,634,779	32,171	1,153,824,415	2,299,032,526	3,508,600,240	1,306,635	3,509,906,875	
12	Coal Mining	55	192	119	73	1,457,714	306,227	0	90,480	0	8,162,856	428,601	2,493,943	386,223	13,326,044	0	13,326,044	
49	Electric Utilities	612	4,363	4,179	184	783,686,372	6,515,135	18	160,800	1,033,076	127,595,228	852,400	130,387,915	4,374,879	1,054,605,823	62,540,851	1,117,146,674	
5169	Chemical Wholesalers	438	3,695	1,950	1,745	1,284,032	11,603	0	1	0	0	0	0	97,254	1,392,890	215,380	1,608,270	
5171	Petroleum Bulk Terminals	546	3,748	3,258	490	4,263,747	137,947	0	0	0	0	25	0	53,667	4,455,386	233,487	4,688,873	
4953/7389	RCRA/Solvent Recovery	205	2,498	2,328	170	1,305,805	580,402	23,425,006	0	196,584,377	9,284,723	0	2,872,520	9,949	234,062,782	47,753,108	281,815,890	
New Industries Subtotal		1,970	15,255	12,567	2,688	796,550,006	8,074,161	23,425,024	33,252,393	197,617,507	162,677,586	1,313,197	1,289,578,793	2,303,954,498	4,816,443,165	112,049,461	4,928,492,626	

Note: On-site Releases from Section 5 of Form R. **Off-site Releases** are from Section 6 (transfers off-site to disposal) of Form R.

Off-site Releases include metals and metal compounds transferred off-site for solidification/stabilization and for wastewater treatment, including to POTWs.

Off-site Releases do not include transfers to disposal sent to other TRI facilities that reported the amount as an on-site release.

Facilities/forms are included in the original industry category if they did not report a new industry SIC code.

Facilities/forms are included in the new industry category if the facility/form has a new industry SIC code and no SIC code in 20-39.

If the facility reported in any year prior to 1998 and the facility/form has a combination of original and new industry SIC codes, then the facility/form is included in the original industry category.

If the facility reported for the first time in 1998 and the facility/form has a combination of original and new industry SIC codes, then the facility/form is included in the new industry category.

One facility, Cyprus Miami Mining in Claypool, AZ, that reported under SIC code 33 and SIC code 10 in 1998 and previous years has been included in the new industry category SIC code 10 for the purpose of this analysis.

Metal mining (SIC code 10) also includes forms reporting SIC code 4931 (Electric utilities) and SIC code 10.

Electric Utilities (SIC code 49) also includes forms reporting SIC code 12 (Coal mining) and SIC codes 4911, 4931 and/or 4939.

Chemical Wholesalers (SIC code 5169) also includes forms reporting SIC code 5171 (Petroleum bulk terminals) or SIC code 7389 (RCRA/Solvent recovery) and SIC code 5169.

RCRA/Solvent Recovery (SIC codes 4953/7189) also includes forms reporting SIC code 5169 (Chemical wholesalers) and SIC codes 4953 and/or 7389.

Users of TRI information should be aware that TRI data reflect releases and other waste management of chemicals, not exposures of the public to those chemicals. Release estimates alone are not sufficient to determine exposure or to calculate potential adverse effects on human health and the environment. TRI data, in conjunction with other information, can be used as a starting point in evaluating exposures that may result from release and other waste management activities which involve toxic chemicals.